

ACM

Association for
Computing Machinery

Association for Computing Machinery

211 East 43 Street, New York, New York 10017

periodicals

ACM

founded in 1947 as the society of the computing community, is dedicated to the development of information processing as a discipline, and to the responsible use of computers in an increasing diversity of applications.

Membership is open to all interested in the purposes of the Association. Prominent among these purposes is the furtherance of timely and thoughtful exchange, among specialists and laymen alike, of information about computing and its impacts. The 15,000 members of the Association operate in every sector of the computing sciences and their applications, from design and construction of computing machinery to development of appropriate programming theory and languages, and utilization of computers in scientific investigation, industrial control, management data processing and the humanities.

Periodicals

For the best dissemination of timely and basic information about the computing sciences and their many applications, ACM issues three periodicals.

JOURNAL OF THE *Association for Computing Machinery*

THE JOURNAL OF THE ASSOCIATION FOR COMPUTING MACHINERY (quarterly) founded in 1954 is the oldest publication devoted to research and technical papers on basic developments in computing and information processing. Under a distinguished editor-in-chief, eminent specialists serve as associate editors for the many sub-fields of the computing sciences. The range of material includes automata theory, linguistics, information theory, programming languages, numerical analysis, logical design and switching theory, and the many tributary domains. These substantive papers are cooperatively refereed, with the ever-present recognition that in this new discipline both major insights and auxiliary materials are appropriately reported. The contributors comprise the elder statesmen of computing, creative workers on the many frontiers of metatheory, and a diversity of specialists. Providing as it does a tradition of consistent first-rate work, the *Journal* is, inevitably, the publication of record for fundamental papers on information processing.



COMMUNICATIONS OF THE ACM (monthly) founded in 1958 is the pre-eminent vehicle for information and materials of prime interest to the computing profession. Its departments, each under an Associate Editor, represent the pragmatic sub-fields of the computing sciences, from special programming languages, to implementation and application of specific programs, advances in information retrieval, machine translation, business data processing, scientific and engineering applications and similar topics.

In addition to its technical papers on both hardware and software, *Communications* extensively reports on the topics of general interest to the computing profession. These reports include notices of special conferences, previews of national conferences, news of ACM chapter and regional activities, and the official reports of the Association. Among the established features that help knit the membership into a more cohesive whole, are the guest editorials on vital professional problems, the lively dialogue of the letter column, announcements of draft and final information processing standards, as issued by the designated committees, descriptions of new products, and other timely information that contributes to the enrichment of the computing community. Each issue of *Communications* offers valuable materials for the varied interests of its readers, from the novice programmer, to the engineer, and to the director of a computing center.

Through the ACM editorial board, the magazine's own staff and feedback from readers and members, *Communications* viably reflects the rapidly changing computing scene, adding departments and shifting emphasis as the realities of the computing milieu require. Readers find that the usual lag between new developments and their adequate discussion in print is effectively reduced by the relationship between computing professionals and the forum of their choice, the *Communications of the ACM*.

Computing Reviews



COMPUTING REVIEWS (bimonthly) founded in 1960 comprehensively covers the literature on computing and its ramifying application. The volunteer reviewers comprise more than a thousand specialists who provide critical evaluations of books, technical papers, films and video tapes on every aspect of computing. Under seven major headings that range from general topics and education through every scientific and industrial application, software and hardware, and analog computing, the enormous wealth of published materials is carefully screened, adequately summarized, and judiciously criticized. More than 200 serial publications, here and abroad are currently scanned for pertinent materials so that advances and developments in every sector of computing are promptly brought to the attention of the readership. In addition, arrangements with other associations, and index, catalog and clipping services are utilized to net occasional papers on computing or its applications appearing in publications not regularly received. The associate editors, reviewers and readers systematically backstop *Computing Reviews* by reporting on pertinent materials they encounter. The permuted index (purchased separately) to the annual volumes furnishes a versatile *topical* guide to the entire computing literature, simplifying the preparation of a critical annotated bibliography on any aspect of computing, and providing an up-to-the-hour evaluation of the state-of-the-art for any sector of information processing.

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